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PHOTOGRAPHIC INTERPRETATION REPORT



IMENI GASTELLO
ICBM COMPLEX
USSR

TCS-80792/67

DECEMBER 1967

COPY 117

6 PAGES

handle via **TALENT-KEYHOLE** control only

Declass Review by NIMA / DoD

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PREFACE

This report updates and supersedes TCS-80208/67, Imeni Gastello ICBM Complex, USSR, 1/ one of a series of reports prepared in response to CIA Requirements C-DI5-82,972 and C-DI7-84,251 requesting detailed line drawings, to scale, of elements of the complex. The information contained herein is based on KEYHOLE photography through Mission [REDACTED] Individual reports will be updated periodically to reflect changes observed on subsequent photography.

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IMENI GASTELLO ICBM COMPLEX, USSR

The Imeni Gastello ICBM Complex (Figure 1) is in the south-central part of the Steppe Region of Central Siberia. It is about 300 nm southeast of Magnitogorsk, the nearest large city. The complex support facility is on the northwest outskirts of Derzhavinskoye, a town about 2.5 nm south of Imeni Gastello.

The complex, at present, contains 5 full groups of Type IIC launch sites, with 1 additional site at the rail-to-road transfer point, for a total of 31 launch sites. The 5 groups extend nearly 40 nm in a north-south direction and about 30 nm east-to-west. The complex support facility is on the east side of the complex, about midway between the northern and southern extremities. The furthest site from the complex support facility is about 32 nm.

The complex is west of the Ishim river, in a sparsely populated region where most of the small towns and villages are along the riverbanks. Agriculture is the principal occupation, with wheat the predominant crop. The terrain is gently rolling, well drained, treeless steppe land. Elevations range from about 600 feet in drains to over 1,000 feet at the highest points.

The Steppe Region is the warmest part of Western Siberia. Snow cover is normally limited to the period from early November to mid-April. The average temperature in January is close to 0°F. Summers are quite warm and temperatures vary little. The average temperature in July is about 68°F. The region has an overall annual cloud cover average of about 60 percent. A substantial seasonal variation exists, with averages reaching a minimum in February and March, and a less definite minimum again in July and August. During these periods of minimum cloudiness, about one-third to one-half the days are clear. Maximum cloudiness occurs from October through December when one-fourth or less of the days are clear.

Transportation into the complex is dependent on rail facilities. The complex support facility and the rail-to-road transfer point are served from a single-track rail line that branches off the Magnitogorsk-Akmolinsk line at Yesil, about 51 nm north of the complex, and terminates about 4.0 nm south of the complex. A network of local roads connects the towns and villages in the area, but no cross-country highways exist. A road system is under construction within the complex, and, as the launch sites are completed, a well-engineered road is constructed to each site.

The Imeni Gastello Complex was first observed in [REDACTED] when the complex support facility and 2 launch sites were under construction. There was

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no evidence of the complex in [REDACTED] Construction for the complex support facility was probably initiated in [REDACTED] and the 2 launch sites during the month of [REDACTED] Five more launch sites were started during [REDACTED] for a total of 7 sites in that year. In [REDACTED] construction was initiated on 8 more sites and, in [REDACTED] an additional 10 sites were started. The last of these sites was probably started during the [REDACTED] and there were no new starts for a period of 10 months. New site construction was again observed in [REDACTED] when the first sites of Launch Group E were identified. Estimated start for this group was in [REDACTED] All sites in Launch Groups A, B, and C are complete. Launch Group D is in a mid-to-late stage, and Launch Group E is in an early-to-mid stage.

The construction rate at this complex is about average for Type IIIC complexes. For the 3 years following initial deployment, expansion of the complex progressed at a slightly increasing rate. To date, [REDACTED] has shown the highest rate of new starts with a total of 10. The 10-month lapse in new starts between [REDACTED] could easily be explained by a decision to complete the sites under construction before starting new ones. None of the sites was observed to be complete until [REDACTED] and during that year 9 sites were completed, with 9 more observed to be complete in [REDACTED] A speed-up in site-construction time is readily apparent. The first sites to be completed were under construction for 24 months, whereas some of those completed in the latter part of [REDACTED] were under construction only 14 months. It was not until the first 3 groups were complete that the fifth group was started.

The trend of future construction at this complex is difficult to predict at this time. There has been a definite slacking off in the number of new starts at all Type IIIC complexes in the Soviet Union. Several launch silos, different from the recognized Type IIIC and IIID silos now deployed, have been under construction at Tyuratam and Plesetsk for at least the past 2 years. Recently, a new type of deployed site appeared at the Yoshkar-Ola Complex. All this activity is indicative of a change in the present missile program, which would affect future construction. There is ample room for expansion of this complex and construction will no doubt continue, although the likelihood of a follow-on type of missile has increased. These may appear in a new wave of site construction during the [REDACTED]

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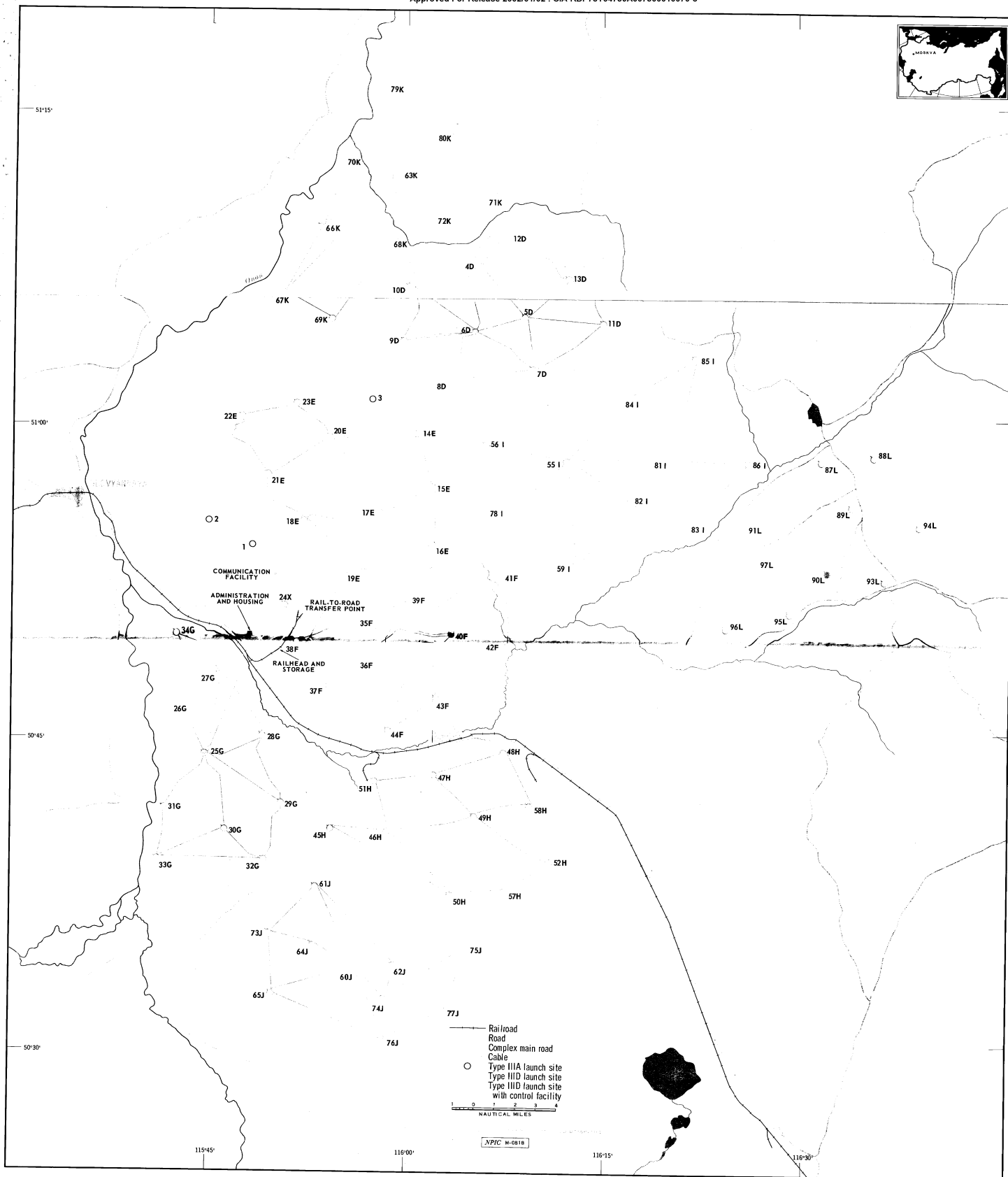


FIGURE 1. LOCATION OF OLOVYANNAYA ICBM COMPLEX.

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TCS-80789/67

REFERENCES

PHOTOGRAPHY



DOCUMENT

1. NPIC. TCS-80197/67, *Olovyannaya ICBM Complex, USSR*, Apr 67 (TOP SECRET RUFF)

REQUIREMENTS

- CIA. C-D15-82,972
- CIA. C-D17-84,251

NPIC PROJECT

- 11210/66 (partial answer)

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PHOTOGRAPHY



DOCUMENT

1. NPIC. TCS-80208/67, *Imeni Gastello ICBM Complex, USSR*, Apr 67 (TOP SECRET RUFF)

REQUIREMENTS

CIA. C-DI5-82,972
CIA. C-DI7-84,251

NPIC PROJECT

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Component	Type	Geographic Coordinates
Complex Support Facility	--	51-07N 66-18E
Launch Group A		
Launch Site 1A	IIC	51-03N 66-05E
Launch Site 2A	IIC	51-06N 66-01E
Launch Site 3A	IIC	51-10N 66-05E
Launch Site 4A**	IIC	51-07N 66-12E
Launch Site 5A	IIC	51-13N 66-11E
Launch Site 6A	IIC	51-13N 66-05E
Launch Group B		
Launch Site 7B**	IIC	50-57N 66-08E
Launch Site 8B	IIC	50-57N 65-59E
Launch Site 9B	IIC	50-57N 66-16E
Launch Site 10B	IIC	50-52N 66-17E
Launch Site 11B	IIC	50-52N 66-00E
Launch Site 12B	IIC	50-51N 66-09E
Launch Group C		
Launch Site 13C	IIC	50-56N 65-50E
Launch Site 14C	IIC	50-54N 65-42E
Launch Site 15C	IIC	50-54N 65-34E
Launch Site 16C	IIC	51-00N 65-50E
Launch Site 17C*	IIC	51-01N 65-41E
Launch Site 18C	IIC	51-00N 65-31E
Launch Group D		
Launch Site 19D	IIC	51-19N 66-16E
Launch Site 20D	IIC	51-24N 66-15E
Launch Site 21D	IIC	51-30N 66-08E
Launch Site 22D	IIC	51-19N 66-07E
Launch Site 23D	IIC	51-36N 65-57E
Launch Site 24D	IIC	51-30N 65-58E
Launch Group E		
Launch Site 25E	IIC	51-07N 65-52E
Launch Site 26E	IIC	51-12N 65-55E
Launch Site 27E	IIC	51-17N 65-50E
Launch Site 28E	IIC	51-07N 65-44E
Launch Site 29E	IIC	51-11N 65-46E
Launch Site 30E	IIC	51-15N 65-44E
Launch Site 31E	IIC	51-06N 66-16E

*Control Site.
**Control Site with L-shaped electronic

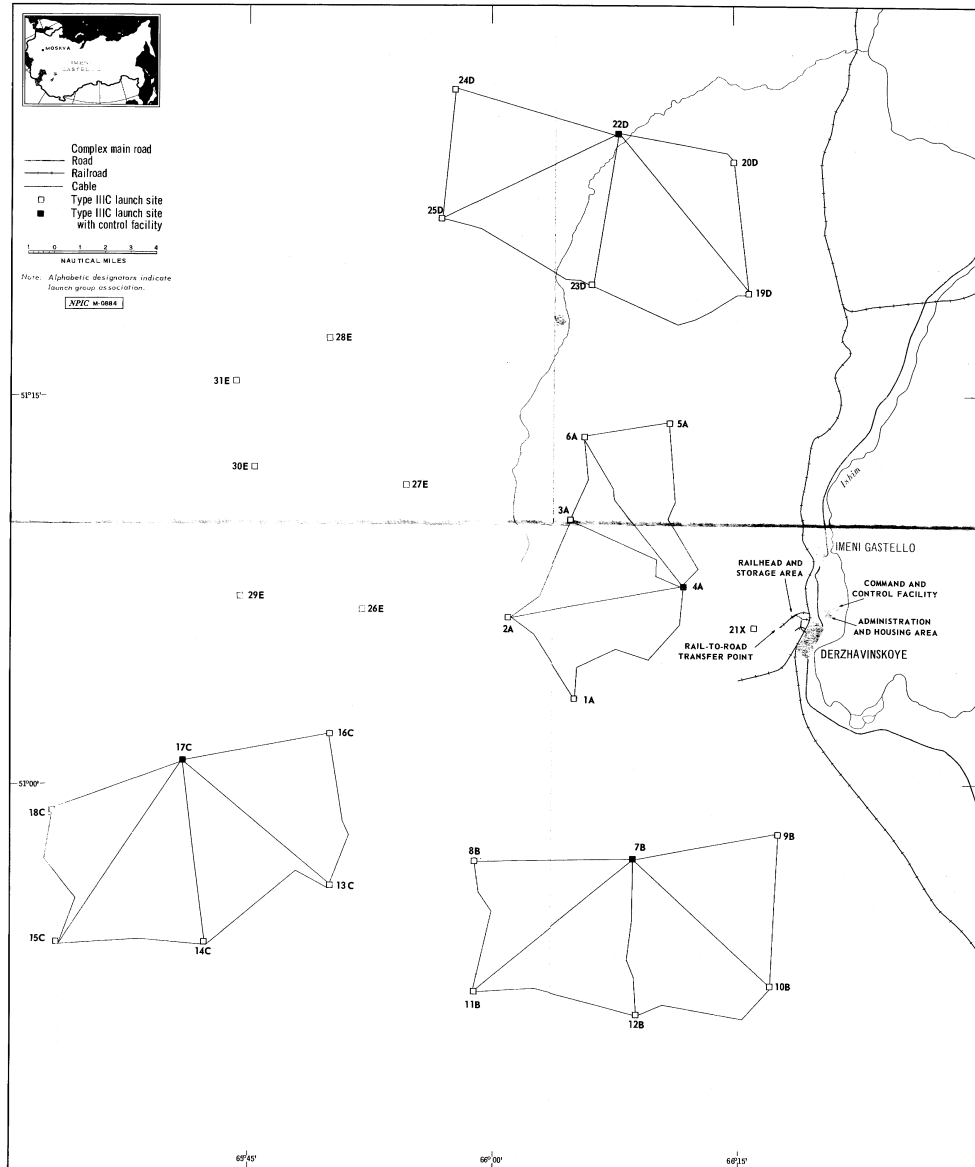


FIGURE 1. LOCATION OF IMENI GASTELLO ICBM COMPLEX.

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